Contents of Volume 9

No. 1, April 1990

Appearance during chick embryogenesis of vitamin D-dependent calcium-binding protein (calbindin-D28K)
L.A. Opperman, F. P. Ross, B. Stein and G. Hirsch (South Africa) 1

The isolation and partial characterization of bovine parathyroid secretory granules
S. Bajpai and J. Hamilton (USA) 9

Cyclic AMP-dependent inhibition of collagen synthesis in avian epiphyseal cartilage cells: effect of chicken and human parathyroid hormone and parathyroid hormone-related peptide
M. Pines, I. Granot and S. Hurwitz (Israel) 23

Microvascular invasion of rabbit growth plate cartilage and the influence of dexamethasone
R.A. Brown, J.A. Rees, C.D. Mcfarland, D. Lewinson and S.Y. Ali (England and Israel) 35

Lower mobility and markers of bone resorption in the elderly
P. Lips, F.C. van Ginkel, J.C. Netelenbos, A. Wiersinga and W.J.F. van der Vijgh (The Netherlands) 49

High molecular weight type-α transforming growth factor in the urine of patients with surgical bone wound involved in mandibular osteotomy
W. Aladib, H. Yoshida and M. Sato (Japan) 59

Influence of fat on bone measurements with dual-energy absorptiometry
T.N. Hangartner and C.C. Johnston (USA) 71

Selected Bibliography 83

Calendar of Forthcoming Events 85

Announcement from the Publishers 88

No. 2, May 1990

A suitable culture medium for ossification of embryonic chick femur in organ culture
T. Kaji, R. Kawatani, T. Hoshino, T. Miyahara, H. Kozuka, Y. Kurashige and F. Koizumi (Japan) 89

26,27-Hexafluoro-1,25-dihydroxyvitamin D_3 (F_6-1,25$(OH)_2D_3$) prevents osteoporosis induced by immobilization combined with ovariectomy in the rat
H. Okumura, T. Yamamuro, S. Higuchi, M. Harada, T. Takamura, S. Otomo, H. Aihara, N. Ikekawa and T. Kobayashi (Japan) 101

Inhibition of renal membrane adenylate cyclase by extract of pancreatic cancer associated with humoral hypercalcemia of malignancy
Y. Yasutomo, N. Kugai, N. Nagata, T. Akatsu, S. Wada, T. Kinoshita, H. Kosano and O. Takatani (Japan) 111

Fast (4-h) or slow (24-h) infusions of pamidronate disodium (aminohydroxypropylidene diphosphonate (APD)) as single shot treatment of hypercalcaemia
N. Sawyer, C. Newstead, A. Drummond and J. Cunningham (England) 121

Circulating levels of osteonectin in normal subjects and patients with thrombocytopenia
L. Malaval, M. Ffrench and P.D. Delmas (France) 129

Biochemical responses to sequential human parathyroid hormone (1–38) and calcitonin in osteoporotic patients
A.B. Hodsman and L.J. Fraher (Canada) 137

Bone metabolism in juvenile rheumatoid arthritis
M.L. Bianchi, M. Bardare, M.P. Caraceni, E. Cohen, S. Falvella, M. Borzani and M.G. DeGaspari (Italy) 153

Selected Bibliography 163

Calendar of Forthcoming Events 165

Publisher's Announcement 167

No. 3, June 1990

Distinct patterns of chromogranin A-related species can be demonstrated in endocrine cells
L.J. Deftos, A.F. Gazdar, R. Hogue-Angeletti, P.S. Mullen and D.W. Burton (USA) 169

Low calcium diet in dogs causes a greater increase in parathyroid function measured with an intact hormone than with a carboxylterminal assay
M. Cloutier, P. D'Amour, M. Gascon-Barré and L. Hamel (Canada) 179

Chugai Symposium Papers

Recent advances in bone cell biology: interactions of vitamin D with other local and systemic factors
L.G. Raisz (USA) 191

Recent advances in pediatric metabolic bone disease: the consequences of altered phosphate homeostasis in renal insufficiency and hypophosphatemic vitamin D-resistant rickets
J.M. Pettifor (South Africa) 199

The pathogenesis of osteoporosis
J.C. Gallagher (USA) 215

Hypoparathyroidism: practice and theoretical backgrounds for $1\alpha(OH)D_3$ treatment
E. Ogata (Japan) 229

Urinary mineral ion loss after sugar ingestion (Brief Communication)
Y. Ericsson, B. Angmar-Månsson and M. Flores (Sweden) 233

Selected Bibliography 239

Calendar of Forthcoming Events 241

Contents of Volume 9 243

Author Index 245

Subject Index 247

Publisher's Announcement 249